

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

- 1.-9. (cancelled)
10. (new) An isolated Robo-specific antibody that binds to a polypeptide having at least 95% identity to SEQ ID NO:8.
11. (new) The antibody of claim 10, wherein the antibody is a polyclonal antibody.
12. (new) The antibody of claim 10, wherein the antibody is a monoclonal antibody.
13. (new) The antibody of claim 10, wherein the antibody binds to a polypeptide of SEQ ID NO:8.
14. (new) The antibody of claim 10, wherein the antibody binds to an extracellular domain of the polypeptide.
15. (new) The antibody of claim 14, wherein the extracellular domain is the extracellular domain of SEQ ID NO:8.
16. (new) The antibody of claim 10, wherein the antibody is raised against a protein comprising:
  - (a) residues 68-167 of SEQ ID NO:8;
  - (b) residues 168-258 of SEQ ID NO:8;

- (c) residues 259-350 of SEQ ID NO:8;
- (d) residues 351-450 of SEQ ID NO:8;
- (e) residues 451-546 of SEQ ID NO:8;
- (f) residues 547-644 of SEQ ID NO:8;
- (g) residues 645-761 of SEQ ID NO:8; and
- (h) residues 762-862 of SEQ ID NO:8.

17. (new) The antibody of claim 10, wherein the antibody is raised against a protein comprising a fragment of SEQ ID NO:8 selected from the group consisting of residues 18-28, 31-40, 45-65, 106-116, 137-145, 174-184, 214-230, 274-286, 314-324, 399-412, 496-507, 548-565, 599-611, 660-671, 717-730, 780-791, 835-847, 877-891, 930-942, 981-998, 1040-1051, 1080-1090, 1154-1168, 1215-1231, 1278-1302, 1378-1400, 1460-1469, 1497-1519, 1606-1626 and 1639-1651.

18. (new) The antibody of claim 10, wherein the antibody modulates Robo-mediated signaling.

19. (new) The antibody of claim 10, where the antibody is labeled.

20. (new) An isolated Robo-specific antibody that binds to a protein of SEQ ID NO:10.

21. (new) The antibody of claim 20, wherein the antibody binds to a fibronectin domain.

22. (new) The antibody of claim 20, wherein the antibody binds to an immunoglobulin domain.

23. (new) An isolated Robo-specific antibody that binds to a protein of SEQ ID NO:2, 4, 6, or 12.

24. (new) An isolated Robo polypeptide comprising at least one immunoglobulin or fibronectin domain, wherein the polypeptide has least 25 consecutive residues of SEQ ID NO:8 or 10 and modulates Robo-mediated signaling.

25. A fusion product of the Robo polypeptide of claim 24, wherein the Robo polypeptide is coupled with another polypeptide.

26. An immunogenic Robo polypeptide comprising one or more sequences selected from the group consisting of:

(a) an immunogenic polypeptide of SEQ ID NO:8 selected from the group of residues 18-28, 31-40, 45-65, 106-116, 137-145, 174-184, 214-230, 274-286, 314-324, 399-412, 496-507, 548-565, 599-611, 660-671, 717-730, 780-791, 835-847, 877-891, 930-942, 981-998, 1040-1051, 1080-1090, 1154-1168, 1215-1231, 1278-1302, 1378-1400, 1460-1469, 1497-1519, 1606-1626 and 1639-1651 of SEQ ID NO:8; and

(b) an immunogenic polypeptide of SEQ ID NO:10 selected from the group of residues 5-16, 38-47, 83-94, 112-125, 168-180, 195-209, 222-235 and 241-254 of SEQ ID NO:10.

27. A method of identifying a compound that modulates Robo-mediated signaling comprising: incubating a test compound with a Robo polypeptide of claim 24; and determining a change in Robo-mediated signaling.

28. An isolated nucleic acid encoding a Robo polypeptide of claim 24.